



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX PTB 06.0089** Issue No.: **0**

Status: **Current**

Date of Issue: **2006-12-12** Page **1** of **4**

Applicant: **Endress+Hauser Wetzler GmbH+Co. KG**  
Obere Wank 1  
D-87484 Nesselwang  
**Germany**

Electrical Apparatus: **Measuring transducer-supply unit type RN 221N**  
*Optional accessory:*

Type of Protection: **General Requirements, Intrinsic Safety**

Marking: **[Ex ia] IIC**  
**IP 20**

*Approved for issue on behalf of the IECEx  
Certification Body:*

Dr.-Ing. Ulrich Johannsmeyer

*Position:*

Department Head of "Intrinsic Safety and Safety  
of Systems"

*Signature:  
(for printed version)*

*Date:*

2006-12-12

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

**Physikalisch-Technische  
Bundesanstalt (PTB)**

Bundesallee 100  
38116 Braunschweig  
Germany





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Manufacturer: **Endress+Hauser Wetzler GmbH+Co. KG**  
Obere Wank 1  
D-87484 Nesselwang  
**Germany**

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacture's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 1999</b> Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

### Test Report:

DE/PTB/ExTR06.0109/00

### Quality Assessment Report:

DE/TUN/QAR06.0009/00



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## Schedule

### **EQUIPMENT:**

*Equipment and systems covered by this certificate are as follows:*

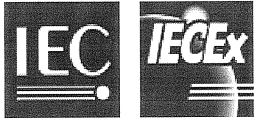
The measuring transducer-supply unit of type RN 221N is used for the intrinsically safe supply of 2-wire measuring transducers.

The apparatus is installed outside the explosion hazardous area.

The maximum permissible ambient temperature is +50 °C.

For additional information see annexe.

**CONDITIONS OF CERTIFICATION: NO**



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**Additional information:**

**Annexe:** RN221N\_ElectricalData.pdf; RN221N\_OrderCode.pdf